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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/629,628  
Applicant : Nelson et al.  
Filed : July 30, 2003  
TC/A.U. : 1744  
Examiner : UNKNOWN  
Confirmation No. : 9128  
Docket No. : 0506.0042C  
Customer No. : 27896  
Title : Method and Apparatus for Producing Purified or  
Ozone Enriched Air to Remove Contaminants from  
Fluids

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

Pursuant to the duty imposed by 37 C.F.R. §1.56 to disclose information which may be material to the patentability of the above-identified patent application, the Applicant(s) would like to direct the Examiner's attention to the documents listed on the enclosed Information Disclosure Citation Form (PTO/SB/08). In accordance with this duty of disclosure, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §§1.97 and 1.98.

- ☐ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☒ The subject Information Disclosure Statement is being filed without copies of the listed U.S. Patents and/or U.S. patent application publications pursuant to the waiver of the requirement under 37 C.F.R. §1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of the listed foreign patent documents and/or non-patent literature are enclosed herewith.
- ☒ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 09/912,546 and 09/186,990 to which the above-identified application claims priority under 35 U.S.C. §120.

- ☐ Publication(s) \_\_\_\_\_ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to \_\_\_\_\_ application serial no. \_\_\_\_\_ and mailed on \_\_\_\_\_.
- ☐ Enclosed is a copy of a non-English publication(s) \_\_\_\_\_. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) \_\_\_\_\_. English language publication \_\_\_\_\_ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) \_\_\_\_\_ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) \_\_\_\_\_ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. \_\_\_\_\_.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☐ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☒ before the mailing date of a first office action on the merits; or
- ☐ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.

The Commissioner is hereby authorized to charge payment of any fees required for the above-identified application or credit any overpayment to Deposit Account No. 05-0460.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

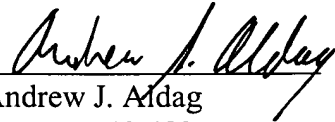
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: April 22, 2005

**EDELL, SHAPIRO & FINNAN, LLC**  
**CUSTOMER NO. 27896**  
1901 Research Boulevard, Suite 400  
Rockville, MD 20850  
(301) 424-3640

Respectfully submitted by  
**EDELL, SHAPIRO & FINNAN, LLC**

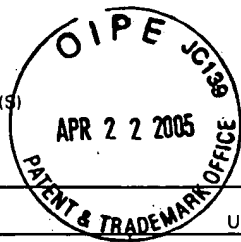
By:

  
Andrew J. Aidag  
Reg. No. 40,483

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO:



ATTY DOCKET NO. 0506.0042C

SERIAL NO. 10/629,628

APPLICANT Jerry Nelson et al.

FILING DATE July 30, 2003

GROUP 1744

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1,594,635	08/03/1926	Skogland			
	1,773,220	08/19/1930	Credicott			
	1,966,059	07/10/1934	Chiera			
	1,969,765	08/14/1934	Spanner et al			
	2,042,162	05/26/1936	Schouwstra			
	2,043,925	06/09/1936	Epstein			
	2,150,263	03/14/1939	Chesney			
	2,173,073	09/12/1939	Pierson			
	2,183,387	12/12/1939	Anderson			
	2,220,895	11/12/1940	Epstein			
	2,248,713	07/08/1941	Locke			
	2,290,376	07/21/1942	Marshall			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
DE 3,837,905	05/10/1990	Germany			
JP 1-224030	09/07/1989	Japan			YES

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

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1449.FRM

Sheet <u>2</u> of <u>18</u>							
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  Date Submitted to PTO:				ATTY DOCKET NO. 0506.0042C		SERIAL NO. 10/629,628	
				APPLICANT Jerry Nelson et al.			
				FILING DATE July 30, 2003		GROUP 1744	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2,362,384	11/07/194	Libby			
		2,362,385	11/07/1944	Libby			
		3,198,214	08/03/1965	Lorenz			
		3,252,036	05/17/1966	Elmer et al			
		3,258,631	06/28/1966	Elmer et al			
		3,294,480	12/27/1966	Potapenko			
		3,374,381	03/19/1968	Albinak et al			
		3,486,308	12/30/1969	Burt			
		3,558,958	01/26/1971	Tarktakoff et al			
		3,576,593	04/27/1971	Circirello			
		3,674,421	07/04/1972	Decupper			
		3,731,699	05/08/1973	Hallum			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		JP 77/66872	06/02/1977	Japan			YES
		WO 90/05909	05/31/1990	WIPO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
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U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		3,744,216	07/10/1973	Halloran					
		3,750,556	08/07/1973	Duke et al					
		3,780,767	12/25/1973	Borg et al					
		3,785,124	01/15/1974	Gaylord					
		3,788,041	01/29/1974	Gaylord					
		3,790,801	02/05/1974	Coleman					
		3,798,922	03/26/1974	Duke et al					
		3,802,158	04/09/1974	Ohle					
		3,818,678	06/25/1974	Gothard					
		3,835,626	09/17/1974	Miyake et al					
		3,844,741	10/29/1974	Dimitrik					
		3,872,349	03/18/1975	Spero et al					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
		WO 97/22794	06/27/1997	WIPO					
		WO 97/34682	09/25/1997	WIPO					
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		3,894,236	07/08/1975	Hazelrigg					
		3,905,920	09/16/1975	Botcharoff					
		3,937,967	02/10/1976	Steinitz					
		3,954,407	05/04/1976	Andary et al					
		3,976,448	08/24/1976	Eng et al					
		4,019,986	04/26/1977	Burris et al					
		4,033,719	07/05/1977	Conn et al					
		4,042,850	08/16/1977	Ury et al					
		4,074,165	02/14/1978	Moriyama					
		4,156,652	05/29/1979	Wiest					
		4,163,650	08/07/1979	Watson et al					
		4,179,616	12/18/1979	Coviello et al					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		4,184,076	01/15/1980	Kosnoff					
		4,189,363	02/19/1980	Beitzel					
		4,203,948	05/20/1980	Brundbjerg					
		4,233,323	11/11/1980	Sway et al					
		4,244,710	01/13/1981	Burger					
		4,253,852	03/03/1981	Adams					
		4,276,943	07/07/1981	Holmes					
		4,309,388	01/05/1982	Tenney et al					
		4,330,403	05/18/1982	Fuchs					
		4,336,480	06/22/1982	Kobayashi					
		4,359,668	11/16/1982	Ury					
		4,366,525	12/28/1982	Baumgartner					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		4,382,866	05/10/1983	Johnson					
		4,422,450	12/27/1983	Rusteberg					
		4,484,517	11/27/1984	Amann					
		4,491,551	01/01/1985	Johnson					
		4,496,375	01/29/1985	Le Vantine					
		4,504,445	03/12/1985	Walz					
		4,535,247	08/13/1985	Kurtz					
		4,541,847	09/17/1985	Oie et al.					
		4,549,477	10/29/1985	McCabe, Jr.					
		4,562,014	12/31/1985	Johnson					
		4,563,286	01/07/1986	Johnson et al.					
		4,597,781	07/01/1986	Spector					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
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LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				FILING DATE July 30, 2003				GROUP 1744	
Date Submitted to PTO:									
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		4,640,782	02/03/1987	Burleson					
		4,655,933	04/07/1987	Johnson et al.					
		4,658,707	04/21/1987	Hawkins et al.					
		4,665,707	05/19/1987	Hamilton					
		4,760,264	07/26/1988	Barrett					
		4,780,277	10/25/1988	Tanaka et al.					
		4,782,552	11/08/1988	Bartlett et al.					
		4,783,878	11/15/1988	McCambridge					
		4,806,770	02/21/1989	Hylton et al.					
		4,819,276	04/11/1989	Stevens					
		4,849,862	07/18/1989	Diskin et al.					
		4,861,356	08/29/1989	Penney					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		4,861,484	08/29/1989	Lichtin et al					
		4,863,687	09/05/1989	Stevens et al.					
		4,863,748	09/05/1989	Herschler					
		4,865,749	09/12/1989	Yoshida					
		4,892,712	01/09/1990	Robertson et al.					
		4,898,679	02/06/1990	Siegel et al.					
		4,900,344	02/13/1990	Lansing					
		4,904,289	02/27/1990	Miyakami et al.					
		4,904,422	02/27/1990	Silverman					
		4,913,827	04/03/1990	Nebel					
		4,954,465	09/04/1990	Kawashima et al.					
		4,954,755	09/04/1990	Lynch et al.					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,966,759	10/30/1990	Robertson et al			
		4,983,307	01/08/1991	Nesathurai			
		4,992,169	02/12/1991	Izumiya			
		4,999,201	03/12/1991	Okamoto et al.			
		5,008,550	04/16/1991	Barrett			
		5,015,394	05/14/1991	McElhenney et al.			
		5,015,442	05/14/1991	Hirai			
		5,029,252	07/02/1991	Ameseder			
		5,032,291	07/16/1991	Sublette			
		5,035,728	07/30/1991	Fang			
		5,037,583	08/06/1991	Hand			
		5,039,918	08/13/1991	Ohtake et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		5,055,115	10/08/1991	Yikai et al.					
		5,069,880	10/03/1991	Karlson					
		5,078,971	01/07/1992	Matuda et al					
		5,087,428	02/11/1992	Fletcher et al.					
		5,110,511	05/05/1992	Hand					
		5,114,372	05/19/1992	Fuchs					
		5,126,111	06/30/1992	Al-Ekabi et al.					
		5,133,788	07/28/1992	Backus					
		5,133,904	07/28/1992	Pepper					
		5,157,758	10/20/1992	Halberstadt et al					
		5,166,527	11/24/1992	Solymar					
		5,166,528	11/24/1992	Le Vay					
FOREIGN PATENT DOCUMENTS									
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		5,186,903	02/16/1993	Cornwell					
		5,213,759	05/25/1993	Castberg et al.					
		5,219,534	06/15/1993	Reynolds					
		5,221,520	06/22/1993	Cornwell					
		5,227,184	07/13/1993	Hurst					
		5,227,698	07/13/1993	Simpson et al.					
		5,230,792	07/27/1993	Sauska et al.					
		5,248,323	09/28/1993	Stevenson					
		5,250,232	10/05/1993	Pepper et al.					
		5,250,258	10/05/1993	Oh					
		5,268,009	12/07/1993	Thompson et al.					
		5,281,428	01/25/1994	Morgan					
FOREIGN PATENT DOCUMENTS									
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		5,326,542	07/05/1994	Sizer et al.					
		5,330,722	07/19/1994	Pick et al.					
		5,334,913	08/02/1994	Ury et al.					
		5,352,467	10/04/1994	Mitchell et al.					
		5,376,265	12/27/1994	Szabo					
		5,376,281	12/27/1994	Safta					
		5,404,076	04/04/1995	Dolan et al.					
		5,422,487	06/06/1995	Sauska et al.					
		5,431,939	07/11/1995	Cox et al.					
		5,433,920	07/18/1995	Sizer et al.					
		5,439,652	08/08/1995	Sczechowski et al.					
		5,443,863	08/22/1995	Neely et al.					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
OTHER DOCUMENT(S) ( <i>Including Author, Title, Date, Pertinent Pages, Etc.</i> )									
EXAMINER					DATE CONSIDERED				

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Sheet <u>13</u> of <u>18</u>				FORM PTO 1449 (modified)		ATTY DOCKET NO. 0506.0042C		SERIAL NO. 10/629,628	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>				APPLICANT Jerry Nelson et al.					
				FILING DATE July 30, 2003				GROUP 1744	
Date Submitted to PTO:									
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		5,447,640	09/05/1995	Omi et al.					
		5,470,597	11/28/1995	Mendenhall					
		5,474,748	12/12/1995	Szabo					
		5,482,726	01/09/1996	Robinson, Jr.					
		5,487,877	01/30/1996	Choi					
		5,492,633	02/20/1996	Moniwa et al.					
		5,500,979	03/26/1996	Worwag					
		5,501,801	03/26/1996	Zhang et al.					
		5,510,158	04/23/1996	Hiramoto et al.					
		5,525,310	06/11/1996	Decker et al.					
		5,536,400	07/16/1996	Schultz					
		5,547,635	08/20/1996	Duthie, Jr.					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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				FILING DATE July 30, 2003				GROUP 1744	
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		5,547,590	08/20/1996	Szabo					
		5,552,112	09/03/1996	Schiffmann et al.					
		5,565,685	10/15/1996	Czako et al.					
		5,557,112	09/17/1996	Csoknyai et al					
		5,578,113	11/26/1996	Glenn					
		5,601,786	02/11/1997	Monagan					
		5,604,339	02/1/1997	Tabatabaie-Raissi et al					
		5,614,151	03/25/1997	LeVay et al					
		5,622,622	04/22/1997	Johnson					
		5,626,769	05/06/1997	Sawamoto					
		5,635,059	06/03/1997	Johnson					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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				FILING DATE July 30, 2003				GROUP 1744	
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		5,565,242	08/12/1997	Morrow et al.					
		5,656,246	08/12/1997	Patapoff et al.					
		5,666,640	09/09/1997	Daniylchev					
		5,689,798	11/18/1997	Oeste					
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2,628,083	2/10/53	Rense			
		3,001,230	9/26/61	Rossi			
		3,011,230	12/5/61	Potapenko			
		3,071,828	1/8/63	Cornell, Jr.			
		3,670,193	6/13/72	Thorington et al.			
		4,210,429	7/1/80	Golstein			
		4,273,660	6/16/81	Beitzel			
		4,468,372	8/28/84	Seifert, deceased et al.			
		4,553,992	11/19/85	Boissinot et al.			
		4,621,195	11/4/86	Larsson			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		GB 2036951 A	7/2/80	Great Britain			
		GB 2212370 A	7/19/89	Great Britain			

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			Light Sources, Inc., Germicidal 1992 Brochure (Technical Bulletin DRS 080592 GER).

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		4,806,768	2/21/89	Keutenedjian			
		4,990,311	2/5/91	Hirai et al.			
		5,006,758	4/9/91	Gellert et al.			
		5,019,256	5/28/91	Ifill et al.			
		5,107,687	4/28/92	Candeloro			
		5,230,220	7/27/93	Kang et al.			
		5,334,248	8/2/94	Kwak			
		5,337,581	8/16/94	Lott			
		5,656,063	8/12/97	Hsu			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,223,105	06-1993	Arthurson			
		4,849,115	07-1989	Cole et al.			
		4,118,191	10-1978	Bohnensieker			
		5,484,549	01-1996	Hei et al.			
		5,567,444	10-1996	Hei et al.			
		5,614,723	03-1997	Oppenlander et al.			
		5,292,479	03-1994	Haraga et al.			
		2003/0039577	02-2003	Nelson et al.			
		2002/0098109	07-2002	Nelson et al.			
		6,053,968	04-2000	Miller			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		WO 00/06209	02-2000	WIPO			
		WO 99/26668	06-1999	WIPO			
		WO 99/22777	05-1999	WIPO			
		WO 99/13956	03-1999	WIPO			
		WO 99/13922	03-1999	WIPO			
		WO 98/41315	09-1998	WIPO			

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